

10 20 30 40 50
 GACGGATCGGGAGATCTCCCGATCCCCTATGGTCGACTCTCAGTACAATC
 60 70 80 90 100
 TGCTCTGATGCCGCATAGTTAAGCCAGTATCTGCTCCCTGCTTGTGTGTT
 110 120 130 140 150
 GGAGGTCGCTGAGTAGTGCGCGAGCAAAATTTAAGCTACAACAAGGCAAG
 160 170 180 190 200
 GCTTGACCGACAATTGAGCTCGGTACCCGGGGAGATCCGGTAAGGACCAG
 210 220 230 240 250
 CTTCTTTGGGAGAGAACAGACGCAGGGGCGGGAGGGAAAAAGGGAGAGGC
 260 270 280 290 300
 AGACGTCACCTTCCCCTTGGCGGCTCTGGCAGCAGATTGGTCGGTTGAGTG
 310 320 330 340 350
 GCAGAAAGGCAGACGGGGACTGGGCAAGGCACTGTCCGTGACATCACGGA
 360 370 380 390 400
 CAGGGCGACTTCTATGTAGATGAGGCAGCGCAGAGGCTGCTGCTTCGCCA
 410 420 430 440 450
 CTTGCTGCTTCACCACGAAGGAGTTCCCGTGCCCTGGGAGCGGGTTCAGG
 460 470 480 490 500
 ACCGCTGATCGGAAGTGAGAATCCCAGCTGTGTGTTCAGGGCTGGAAAGGG
 510 520 530 540 550
 CTCGGGAGTGCGCGGGGCAAGTGACCGTGTGTGTAAAGAGTGAGGCGTAT
 560 570 580 590 600
 GAGGCTGTGTCTGGGGCAGAGGCCCAAGATCTCAAGGGCCCATAACATGTG
 610 620 630 640 650
 TACCATCGATTGCAGGGGAGATAACCATGATCACGAAGGTGGTTTTCCAG
 660 670 680 690 700
 GGCGAGGCTTATCCATTGCACTCCGGATGTGCTGACCCCTGCGATTTCCT
 710 720 730 740 750
 CAAAGCTTGGAAACTCGACTGCATAATTTGTGGTAGTGGGGGACTGCGTT
 760 770 780 790 800
 CGCGCTTTCCCCTGACTTTCTGGAGTTTCAAAGTAGACTGTACGCTAAC
 810 820 830 840 850
 CGGATCCTCTAGAGTCGACCTGCAGGCATGCAGAAGACAATTAGCAGGCA
 860 870 880 890 900
 TGCTGGGGATGCGGTGGGCTCTATGGCTTCTGAGGCGGAAAGAACCAGCT
 910 920 930 940 950
 GGGGCTCTAGGGGGTATCCCCACGCGCCCTGTAGCGGCGCATTAAGCGCG

Fig. 1A

960 970 980 990 1000
 GCGGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCT
 1010 1020 1030 1040 1050
 AGCGCCCGCTCCTTTTCGCTTTTCTTCCCTTTCCTTTCTCGCCACGTTTCGCCG
 1060 1070 1080 1090 1100
 GCTTTCCCCGTCAAGCTCTAAATCGGGGCATCCCTTTAGGGTTCCGATTT
 1110 1120 1130 1140 1150
 AGTGCTTTACGGCACCTCGACCCCCAAAAAAGTTGATTAGGGTGATGGTTC
 1160 1170 1180 1190 1200
 ACGTAGTGGGCCATCGCCCTGATAGACGGTTTTTCGCCCTTTGACGTTGG
 1210 1220 1230 1240 1250
 AGTCCACGTTCTTTAATAGTGGAATCTTGTTCCAAAGTGAACAACACTC
 1260 1270 1280 1290 1300
 AACCTATCTCGGTCTATTCTTTTGATTTATAAGGGATTTTGGGGATTTTC
 1310 1320 1330 1340 1350
 GGCCTATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTAACGCGAATT
 1360 1370 1380 1390 1400
 AATTCTGTGGAATGTGTGTCAGTTAGGGTGTGGAAAGTCCCCAGGCTCCC
 1410 1420 1430 1440 1450
 CAGGCAGGCAGAAGTATGCAAAGCATGCATCTCAATTAGTCAGCAACCAG
 1460 1470 1480 1490 1500
 GTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGCATGC
 1510 1520 1530 1540 1550
 ATCTCAATTAGTCAGCAACCATAGTCCCGCCCCCTAACTCCGCCCATCCCG
 1560 1570 1580 1590 1600
 CCCCTAACTCCGCCCAGTTCCGCCCATTCTCCGCCCCATGGCTGACTAAT
 1610 1620 1630 1640 1650
 TTTTTTTATTTATGCAGAGGCCGAGGCCCTCTGCCTCTGAGCTATTCC
 1660 1670 1680 1690 1700
 AGAAGTAGTGAGGAGGCTTTTTTGGAGGCCTAGGCTTTTGCAAAAAGCTC
 1710 1720 1730 1740 1750
 CCGGGAGCTTGTATATCCATTTTCGGATCTGATCAGCACGTGTTGACAAT
 1760 1770 1780 1790 1800
 TAATCATCGGCATAGTATATCGGCATAGTATAATACGACAAGGTGAGGAA
 1810 1820 1830 1840 1850
 CTAAACCATGGCCAAGTTGACCAGTGCCGTTCCGGTGCTCACCGCGCGCG
 1860 1870 1880 1890 1900
 ACGTCGCCGGAGCGGTCTGAGTTCTGGACCGACCGGCTCGGGTTCTCCCGG

Fig. 1B

1910 1920 1930 1940 1950
GACTTCGTGGAGGACGACTTCGCCGGTGTGGTCCGGGACGACGTGACCCT
1960 1970 1980 1990 2000
GTTTCATCAGCGCGGTCCAGGACCAGGTGGTGCCGGACAACACCCTGGCCT
2010 2020 2030 2040 2050
GGGTGTGGGTGCGCGGCCTGGACGAGCTGTACGCCGAGTGGTCGGAGGTC
2060 2070 2080 2090 2100
GTGTCCACGAACTTCCGGGACGCCTCCGGGCCGGCCATGACCGAGATCGG
2110 2120 2130 2140 2150
CGAGCAGCCGTGGGGGCGGGAGTTCGCCCTGCGCGACCCGGCCGGCAACT
2160 2170 2180 2190 2200
GCGTGCACTTCGTGGCCGAGGAGCAGGACTGACACGTGCTACGAGATTTC
2210 2220 2230 2240 2250
GATTCCACCGCCGCCTTCTATGAAAGGTTGGGCTTCGGAATCGTTTTCCG
2260 2270 2280 2290 2300
GGACGCCGCTGGATGATCCTCCAGCGCGGGGATCTCATGCTGGAGTTCT
2310 2320 2330 2340 2350
TCGCCCACCCCAACTTGTTTATTGCAGCTTATAATGGTTACAAATAAAGC
2360 2370 2380 2390 2400
AATAGCATCACAAATTTACAAATAAAGCATTTTTTTCACTGCATTCTAG
2410 2420 2430 2440 2450
TTGTGGTTTGTCCAAACTCATCAATGTATCTTATCATGTCTGTATACCGT
2460 2470 2480 2490 2500
CGACCTCTAGCTAGAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTG
2510 2520 2530 2540 2550
TGAAATTGTTATCCGCTCACAATTCCACACAACATACGAGCCGGAAGCAT
2560 2570 2580 2590 2600
AAAGTGTAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTG
2610 2620 2630 2640 2650
CGTTGCGCTCACTGCCCCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTG
2660 2670 2680 2690 2700
CATTAATGAATCGGCCAACGCGCGGGGAGAGGCGGTTTGCGTATTGGGCG
2710 2720 2730 2740 2750
CTCTTCCGCTTCCTCGCTCACTGACTCGCTGCGCTCGGTCGTTCCGCTGC
2760 2770 2780 2790 2800
GGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAA
2810 2820 2830 2840 2850
TCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGGCCAGCAAAAGGC

Fig. 1C

2860 2870 2880 2890 2900
CAGGAACCGTAAAAAGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCC
2910 2920 2930 2940 2950
CCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAAC
2960 2970 2980 2990 3000
CCGACAGGACTATAAAGATAACCAGGCGTTTCCCCCTGGAAGCTCCCTCGT
3010 3020 3030 3040 3050
GCGCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCCTTTC
3060 3070 3080 3090 3100
TCCCTTCGGGAAGCGTGGCGCTTCTCAATGCTCACGCTGTAGGTATCTC
3110 3120 3130 3140 3150
AGTTCGGTGTAGGTCGTTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCC
3160 3170 3180 3190 3200
CGTTCAGCCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCA
3210 3220 3230 3240 3250
ACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGG
3260 3270 3280 3290 3300
ATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTG
3310 3320 3330 3340 3350
GCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGC
3360 3370 3380 3390 3400
TGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAA
3410 3420 3430 3440 3450
CAAACCACCGCTGGTAGCGGTGGTTTTTTTGGTTTGCAAGCAGCAGATTAC
3460 3470 3480 3490 3500
GCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGT
3510 3520 3530 3540 3550
CTGACGCTCAGTGGAACGAAAACCTCACGTTAAGGGATTTTGGTCATGAGA
3560 3570 3580 3590 3600
TTATCAAAAAGGATCTTCACCTAGATCCTTTTAAATTAAAAATGAAGTTT
3610 3620 3630 3640 3650
TAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAAT
3660 3670 3680 3690 3700
GCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCC
3710 3720 3730 3740 3750
ATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTT
3760 3770 3780 3790 3800
ACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGG

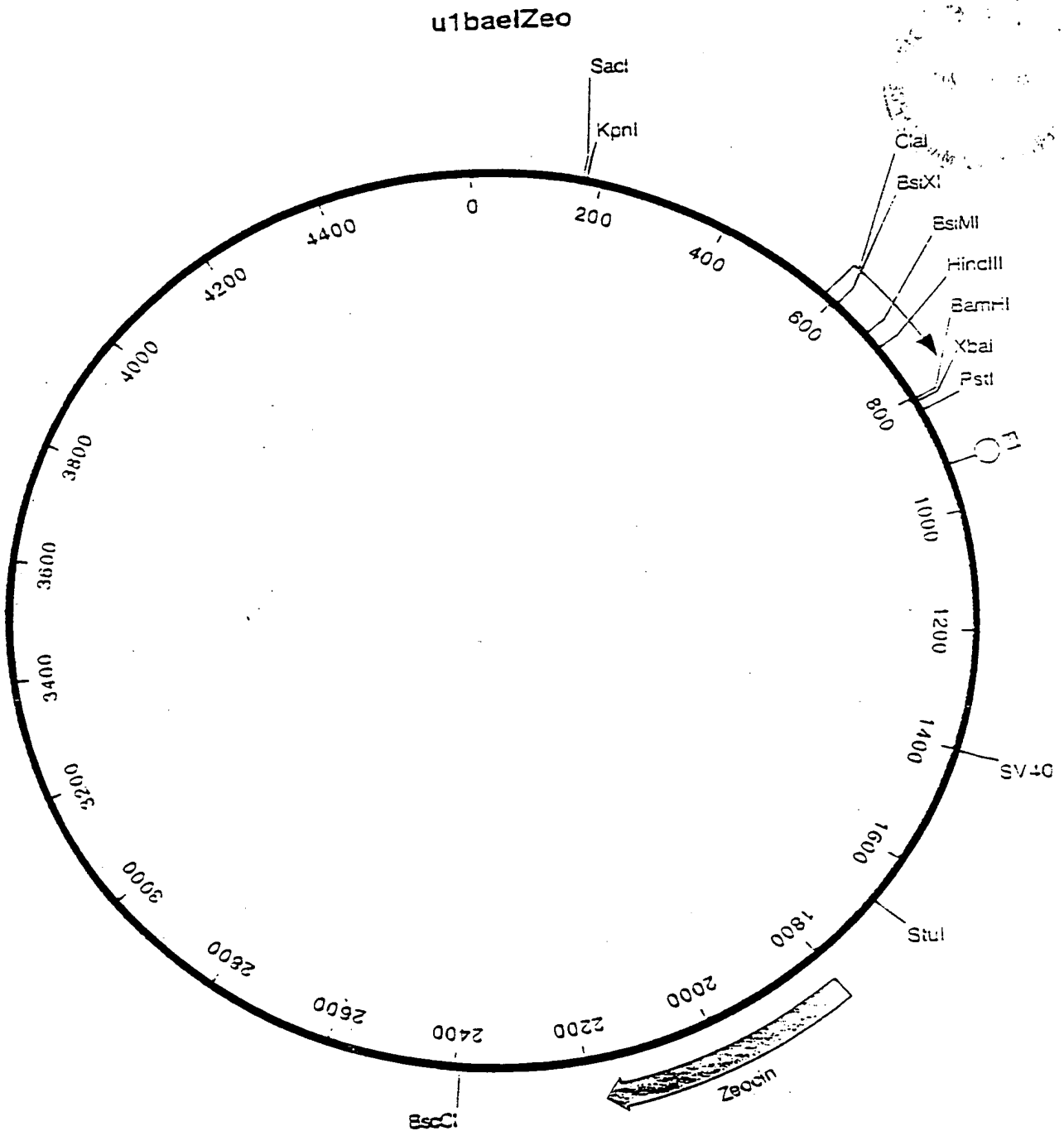
Fig. 1D

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      3810      3820      3830      3840      3850
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      3860      3870      3880      3890      3900
AGTGGTCCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATTGTTGCCG
      3910      3920      3930      3940      3950
GGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTTCGCAACGTTGTTG
      3960      3970      3980      3990      4000
CCATTGCTACAGGCATCGTGGTGTACGCTCGTCGTTTGGTATGGCTTCA
      4010      4020      4030      4040      4050
TTCAGCTCCGGTTCCTCAACGATCAAGGCGAGTTACATGATCCCCCATGTT
      4060      4070      4080      4090      4100
GTGCAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGTCAGAAGTA
      4110      4120      4130      4140      4150
AGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCT
      4160      4170      4180      4190      4200
CTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTC
      4210      4220      4230      4240      4250
AACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCC
      4260      4270      4280      4290      4300
CGGCGTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTG
      4310      4320      4330      4340      4350
CTCATCATTGAAAACGTTCTTCGGGGCGAAACTCTCAAGGATCTTACC
      4360      4370      4380      4390      4400
GCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTT
      4410      4420      4430      4440      4450
CAGCATCTTTTACTTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGG
      4460      4470      4480      4490      4500
CAAAATGCCGCAAAAAGGGAATAAGGGCGACACGGAATGTTGAATACT
      4510      4520      4530      4540      4550
CATACTCTTCCTTTTCAATATTATTGAAGCATTTATCAGGGTTATTGTC
      4560      4570      4580      4590      4600
TCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGG
      4610      4620      4630
GTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGACGTC

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Fig. 1E

**Fig. 2**

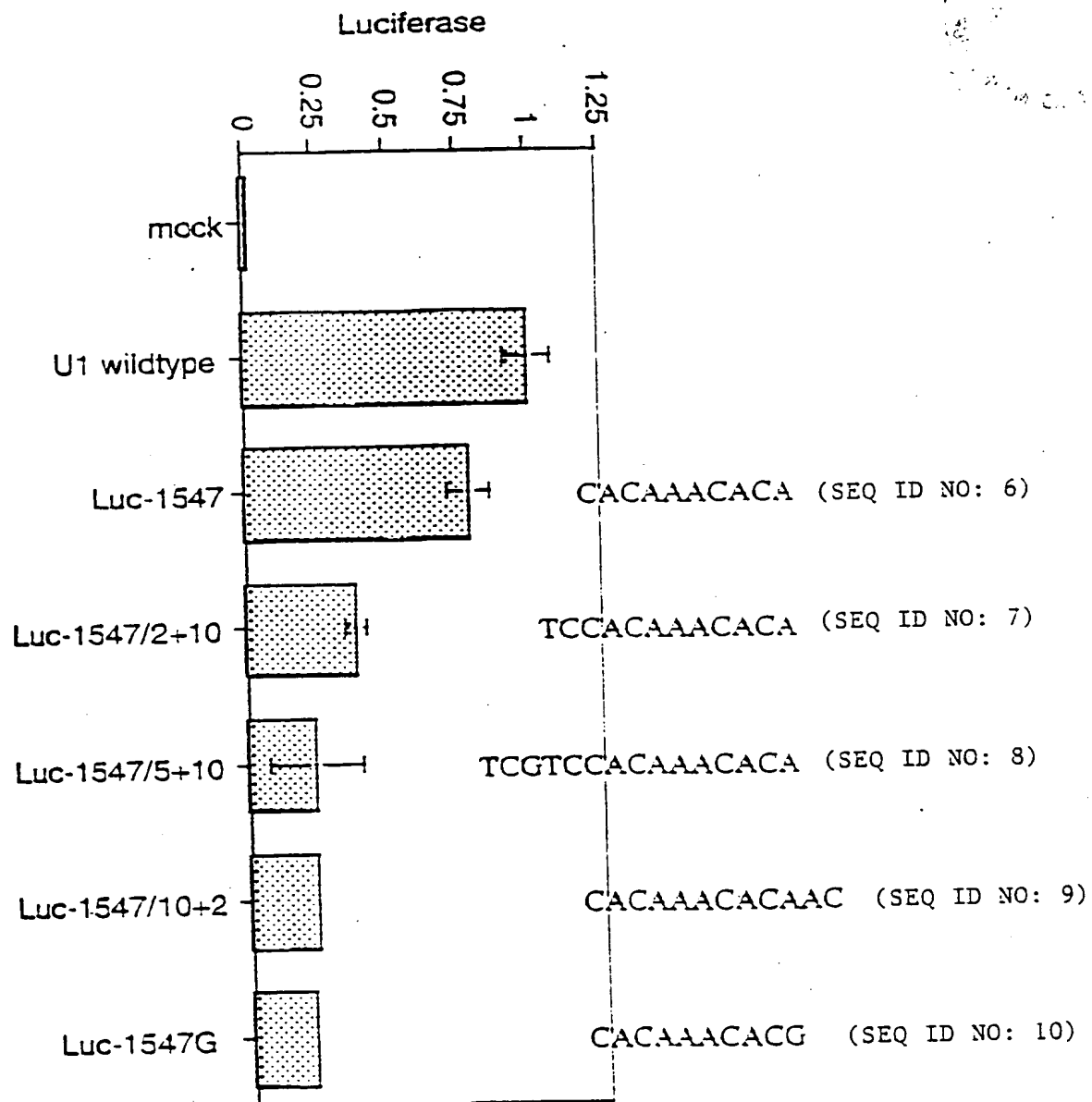
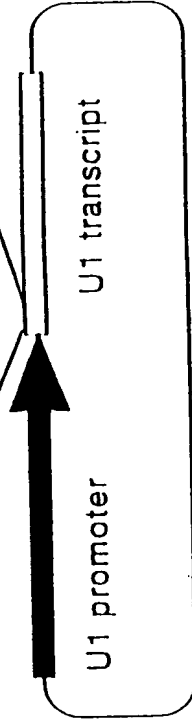


Fig. 3

Bae1/U1 construct

GGCCCAAGA/TCTCAAGGGCCCATAAACATGTGTACCATCGATTGCAGGGGAGATACCATG (SEQ ID NO.: 11)
+1 +12



(SEQ ID NO.: 3) AGAGT GCAGG (SEQ ID NO.: 2)

Fig. 4